

## SCALABILITY, AVAILABILITY, AND MANAGEMENT FEATURES FOR BUSINESS COMMERCE SERVER

### ABSTRACT OF THE DISCLOSURE

5           A distributed network configuration and associated method for providing certain  
business objectives relating to scalability, availability, and manageability of the overall ACS  
system. Scalability provides the ability to both scale-up on symmetric multi-processing  
(SMP) machines and the ability to scale-out on clusters of machines. Availability relates to  
the ability to transparently fail-over user sessions on a given cluster node to a backup cluster  
10 if that node fails. Each object pertaining to an application will be given a logical reference.  
For each new update of a state, the associated logical references will be retrieved and  
serialized into a session object that gets sent to the backup server. Manageability provides  
the ability to add or drop nodes from the cluster without shutting down the service, or deploy  
applications across all nodes of a cluster.